

Title (en)
REGIOSELECTIVE PROCESS FOR THE PREPARATION OF O-ALKYL MACROLIDE AND AZALIDE DERIVATIVES

Title (de)
REGIOSELEKTIVES VERFAHREN ZUR HERSTELLUNG VON O-ALKYL MAKROLID UND AZALID DERIVATEN

Title (fr)
PROCEDE DE PREPARATION REGIOSELECTIF DE DERIVES O-ALKYLES DE MACROLIDES ET D'AZALIDES

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Application
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Abstract (en)
[origin: WO2004106354A1] The present disclosure relates to new 11-O-alkyl macrolides and azalides and pharmaceutically acceptable salts and solvates thereof, and to pharmaceutical compositions thereof. The disclosure also relates to a process for the preparation of 11-O-alkyl macrolides and azalides by regioselective 11-O-alkylation of macrolides and azalides having a vicinal diol system, using diazoalkanes in the presence of transition-metal halides or boric acid as catalysts. In another aspect, the disclosure relates to uses of the 11 -O-alkyl macrolides and azalides as antibacterial agents or intermediates for the synthesis of other antibacterial agents.

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